

A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 B01D63/06 B01D69/04 B01D69/06 B01D69/10

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 B01D

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, PAJ, WPI Data

C. DOCUMENTS CONSIDERED TO BE RELEVANT

| Category * | Citation of document, with indication, where appropriate, of the relevant passages | Relevant to claim No. |
|------------|---|-----------------------|
| X | WO 90/04451 A1 (WHITE, TESSA, JANE; WHITE, ROGER, STANLEY) 3 May 1990 (1990-05-03) abstract; figures 3a,3b,3c | 1,2,11, 12 |
| X | PATENT ABSTRACTS OF JAPAN vol. 2002, no. 12, 12 December 2002 (2002-12-12) & JP 2002 239353 A (SUMITOMO ELECTRIC IND LTD), 27 August 2002 (2002-08-27) abstract | 1,2,11, 12 |
| X | US 4 071 937 A (ROHLIG ET AL) 7 February 1978 (1978-02-07) abstract; figures 1,2 | 1,2,12 |
| X | EP 1 040 860 A (NIPPON SEISEN CO., LTD) 4 October 2000 (2000-10-04) abstract; figures 3,4 | 1,2,12 |
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☒ Further documents are listed in the continuation of box C.☒ Patent family members are listed in annex.

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Date of the actual completion of the international search

16 March 2005

Date of mailing of the international search report

30/03/2005

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| C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT | | |
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| Category * | Citation of document, with indication, where appropriate, of the relevant passages | Relevant to claim No. |
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| A | US 5 454 947 A (OLAPINSKI ET AL) 3 October 1995 (1995-10-03) abstract; figure 3 ----- | 1,2,11, 12 |
| A | PATENT ABSTRACTS OF JAPAN vol. 2000, no. 19, 5 June 2001 (2001-06-05) & JP 2001 029761 A (ATHENE KK), 6 February 2001 (2001-02-06) abstract ----- | 1 |

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Information on patent family members

International Application No

PCT/IB2004/052883

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